

M12 male 0° D-cod. / RJ45 male 0° shielded

TPE 2x2x24AWG SF/UTP CAT5e bu UL/CSA. CM 7.5m

Art.No.: 7700-44711-S4U0750

Weight: 0.400 kg Country of origin: US

Model designation: MSRAL0-DA-TS4U 7.5-ZS

Ethernet CAT5

Male straight - male straight

M12 - RJ45, 4-pole

D-coded Shielded

8-pole partly used

USA

without cable sleeves

Cable is approved for 600 V

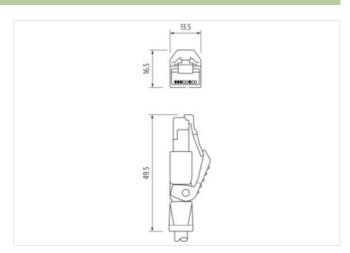
Further cable lengths on request.

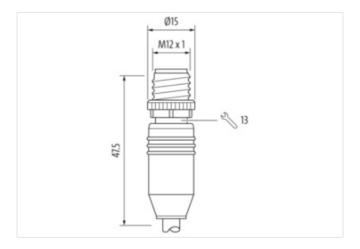
maximum length at channel transmission corresponds to 70 m

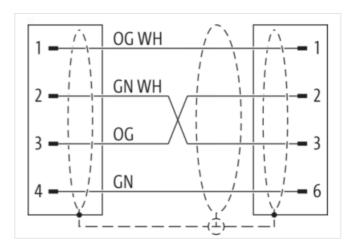
Link to Product

Illustration



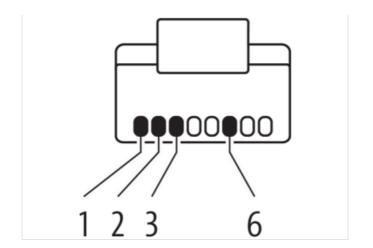


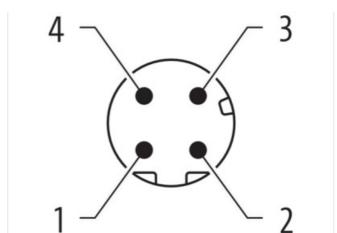


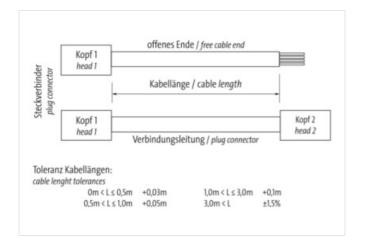


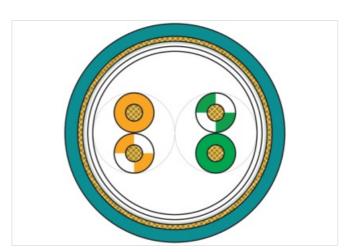


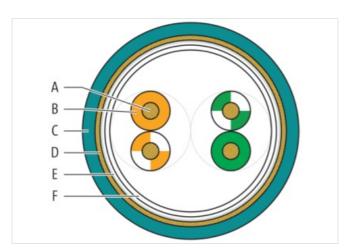
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Product may differ from Image











EtherNet/IP

Header

Cable length

Material short text MSRAL0-DA-TS4U_7.5-ZS

7,50 m



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Family construction form M12 No. of poles 4 Coding D Mounting method inserted, screwed Threaded hole M12 x 1 Width across flats SW13 Cable outlet straight Degree of protection (EN IEC 60529) IP67 Side 2 Family construction form RJ45 No. of poles 4 Mounting method pluggable Cable outlet straight Degree of protection (EN IEC 60529) IP20 Commercial data URL Webshop https://shop.murrelektronik.com/7700-44711-S4U0750 GTIN 4048879619738 ECLASS-6.0 27061801 ECLASS-7.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-8.1 27060307 ECLASS-9.0 27060307 ECLASS-9.0 27060307 ECLASS-9.0 27060307	
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ECLASS-13.0 27060307	
ECLASS-14.0 27060307	
ETIM-5.0 EC002599	
ETIM-6.0 EC002599	
ETIM-7.0 EC002599	
ETIM-8.0 EC002599	
customs tariff number 85444290	
EAN 4048879619738	
Packaging unit 1	
Electrical data Supply	
Operating voltage DC max. 60 V	
Current operating per contact max. 1,5 A	
Industrial Communication	
Data transmission rate max. 100 Mbit/s	
Transfer parameters CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)	
Industrial communication Ethernet functionality	
duplex Full duplex	
Device protection Electrical	
Pollution Degree 3	
Rated surge voltage 1 kV	
Material group (IEC 60664-1)	

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perating temperature min.	-30 °C
perating temperature max.	85 °C
dditional condition temperature range	depending on cable quality
mportant installation notes	
ote on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
ote on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Conformity	
roduct standard	EN IEC 61076-2-101 (M12)
nstallation Cable	
able identification	S4U
unction cable	Data
mount stranding	2
tranding	2 wires stranded
mount stranding (type 2)	1
tranding (type 2)	2 stranding combinations stranded
able shielding (type)	copper braid, tinned
able shielding (coverage)	75 %
anding	Foil
able weigth	50,6 g/m
aterial wire insulation	HDPE
mount wires	4
uter diameter insulation	1,22 mm
uter diameter insulation	± 0.05 mm
gredient freeness wire insulation	lead-free, CFC-free
mount strands (wire)	7
iameter of single wires	32 AWG
onductor crosssection (wire)	24 AWG
aterial conductor wire	copper stranded wire, tinned
uter-diameter (jacket)	6,6 mm
<u> </u>	± 5 %
olerance outer diameter (sheath)	TPE
aterial jacket	
nore hardness jacket	80 ± 5 Shore A
reedom from ingredients (jacket)	· · · · · · · · · · · · · · · · · · ·
able length max.	83 m 93.8 Ω/km @ 20 °C
onductor resistance (wire)	93.8 12/km @ 20 °C
ominal voltage AC max.	280 Ω/km
oop resistance /ithstand voltage (wire - wire)	1.5 kV @ 2 s
<u> </u>	
lithstand voltage (wire - jacket) urrent load capacity (standard)	1.5 kV @ 2 s to DIN VDE 0298-4
urrent load capacity min. wire haracteristic impedance	2,4 A 100 Ω ± 5 % @ 100 MHz
<u>'</u>	
in. operating temperature (static)	-40 °C 80 °C
ax. operating temperature (static)	
perating temperature min. (dynamic)	-40 °C 80 °C
perating temperature max. (dynamic)	-40 °C
torage temperature min.	-40 °C 80 °C
toraga tamparatura may	
torage temperature max. il resistance	good

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Other resistances	resistant to welding sparks
Bending radius (fixed)	8 × Outer diameter
Bending radius (dynamic)	8 × Outer diameter
No. of bending cycles (C-track)	35 Mio. @ 25 °C
Traversing distance (C-track)	0.6 m @ 25 °C
Travel speed (C-track)	1.2 m/s @ 25 °C
Acceleration (C-track)	2.4 m/s² @ 25 °C
No. of torsion cycles	3 Mio.
Torsion stress	± 270 °/m
Torsion speed	60 cycles/min